论文

STUDYING COMPLEX ADAPTIVE SYSTEMS

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摘要 Complex adaptive systems (cas) -- systems that involve many components that

adapt or learn as they interact -- are at the heart of important contemporary

problems. The study of cas poses unique challenges: Some of our most powerful

mathematical tools, particularly methods involving fixed points, attractors, and the

like, are of limited help in understanding the development of cas. This paper

suggests ways to modify research methods and tools, with an emphasis on the role of

computer-based models, to increase our understanding of cas.

关键词 <u>Agent-based systems, classifier systems</u>

分类号

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Key words <u>Agent-based systems</u> <u>classifier systems</u> <u>complex adaptive systems</u> <u>computer-based</u> <u>models</u> <u>credit as</u>

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